

Converting Colors

XYZ(40.2543, 35.3329, 4.6966)

Have a look what the booklet for
XYZ(40.2543, 35.3329, 4.6966)
contains.

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Color

**XYZ(40.2539, 35.3329,
4.6983)**

Conversions

Conversions Part 1

Format	Color
Hex	DF8F00
RGB	223, 143, 0
RGB Percent	87%, 56%, 0%
CMY	0.1255, 0.4392, 1.0000
CMYK	0.00, 0.36, 1.00, 0.13
HSL	38°, 100%, 44%
HSV	38°, 100%, 87%
XYZ	40.2539, 35.3329, 4.6983
YIQ	150.6180, 93.5830, -27.5130

Conversions

Conversions Part 2

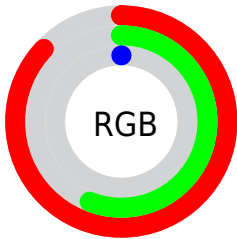
Format	Color
RYB	125, 223, 0
Decimal	14651136
CIELab	66.01, 22.01, 71.24
CIElCh	66, 74.564, 72.834
Yxy	35.3329, 0.5014, 0.4401
Android (android.graphics.Color)	4292841216 (0xFFDF8F00)
YUV	150.6180, -74.2547, 63.4790
Hunter-Lab	59.4415, 16.8580, 36.9227

Details

The XYZ color **40.2539, 35.3329, 4.6983** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **16.1883, 11.0656, 71.0942**, and the grayscale version is **29.5327, 31.0707, 33.8360**.

A 20% lighter version of the original color is **62.4423, 61.6869, 15.0943**, and **18.8146, 15.5101, 2.0021** is the 20% darker color. If you saturate the color by 10%, you get **40.2540, 35.3335, 4.6984**, and if you desaturate by 10%, it is **41.6466, 37.8822, 5.8918**.

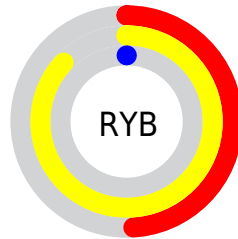
Distribution



Red (87%)

Green (56%)

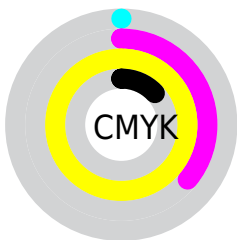
Blue (0%)



Red (49%)

Yellow (87%)

Blue (0%)

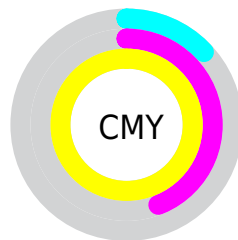


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2539, 35.3329, 4.6983 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.2539, 35.3329, 4.6983 by changing the saturation by 10% instead.


 40.2539, 35.3329,
4.6983


 40.2539, 35.3329,
4.6983


338.3087,
326.0353, 155.6967


 27.9217, 23.9194,
2.0157


 74.8319, 68.0012,
15.5907

 18.4068, 15.2739,
0.5649


 97.8083, 90.0247,
24.6376

 11.3439, 9.0118,
0.0000


 125.0635,
116.3538, 36.6430

 6.3676, 4.7489,
0.0000

 156.9629,
147.3728, 52.0254

 3.1126, 2.1007,
0.0000

 193.8717,
183.4660, 71.2035


 1.2136, 0.6650,
0.0000

 236.1554,


 0.1171, 0.0000,


225.0179, 94.5957


0.0000


 284.1792,
272.4129, 122.6206


 0.0000, 0.0000,
0.0000


 40.2539, 35.3329,
4.6983


 40.2539, 35.3329,
4.6983


 40.2540, 35.3335,
4.6984

 41.6466, 37.8822,
5.8918

 43.2965, 40.6726,
8.0121

 45.2614, 43.7315,
11.3517

 47.5742, 47.0746,
16.0765

 50.2631, 50.7158,
22.3267

■ 53.3528, 54.6674,
30.2249

■ 56.8657, 58.9407,
39.8811

■ 60.8221, 63.5462,
51.3958

■ 65.2411, 68.4940,
64.8619

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7028, 35.3329, 10.1544



40.2539, 35.3329, 4.6983



29.0800, 35.3329, 4.4112

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.2539, 35.3329, 4.6983



16.8312, 35.3329, 53.6366



50.2029, 35.3329, 102.5913

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.2539, 35.3329, 4.6983



16.1883, 11.0656, 71.0942

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.5281, 35.3329, 133.5591



40.2539, 35.3329, 4.6983



20.2846, 35.3329, 96.4614

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.2539, 35.3329, 4.6983



17.0950, 35.3329, 23.1587



27.6928, 35.3329, 130.8475



58.2557, 35.3329, 59.3763

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.2539, 35.3329, 4.6983



23.3275, 35.3329, 6.6443



27.6928, 35.3329, 130.8475



46.4741, 35.3329, 115.6210

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.2547, 35.3347, 4.6989



76.9479, 79.7379, 53.7185



31.9457, 16.2938, 9.3988



16.0230, 16.5300, 10.2492



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2547, 35.3347, 4.6989



54.4304, 47.6407, 6.3268



48.4481, 64.1476, 9.8286



14.4366, 15.1592, 14.4719



23.7795, 20.9969, 2.7995



1.7321, 1.6230, 0.2220

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.1883, 11.0656, 71.0942



21.8319, 14.7839, 96.3106



13.8472, 5.6001, 70.1626



13.3525, 14.0440, 17.3947



9.6156, 6.7008, 41.8349



0.7492, 0.6299, 2.9273

Previews

White Background



This preview shows how the XYZ color 40.2539, 35.3329, 4.6983 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.2539, 35.3329, 4.6983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2539, 35.3329, 4.6983

Background



This preview shows how black text looks on a background with the XYZ color 40.2539, 35.3329, 4.6983.



This preview shows how white text looks on a background with the XYZ color 40.2539, 35.3329,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2539, 35.3329, 4.6983

Protanopia

31.8945, 35.3509, 5.6326

Deuteranopia

36.0198, 35.4790, 4.9497



Tritanopia

45.6586, 35.4162, 30.4161

Trichromacy



Original Color

40.2539, 35.3329, 4.6983

Protanomaly

34.3753, 34.8689, 5.2058

Deuteranomaly

37.3258, 35.1965, 4.8263

Tritanomaly

42.5125, 34.9775, 14.4082

Monochromacy



Original Color

40.2539, 35.3329, 4.6983

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.8327, 31.3714, 15.4966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2539, 35.3329, 4.6983 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 143, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.2539, 35.3329, 4.6983 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 143, 0) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 143, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2539, 35.3329, 4.6983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 143, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223,  
143, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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